



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET No	TOTAL SHEETS
04	SF	80	13.2/13.9	96S1 R1	1204

David H. OTO

07/05/11

REGISTERED ELECTRICAL ENGINEER DATE

DAVID H. OTO

No. 10699

Exp. 06/30/2013

STATE OF CALIFORNIA

PLANS APPROVAL DATE

PB AMERICAS, Inc.
A Parsons Brinckerhoff Company
303 Second St., Suite 700N
San Francisco, CA 94107-1317

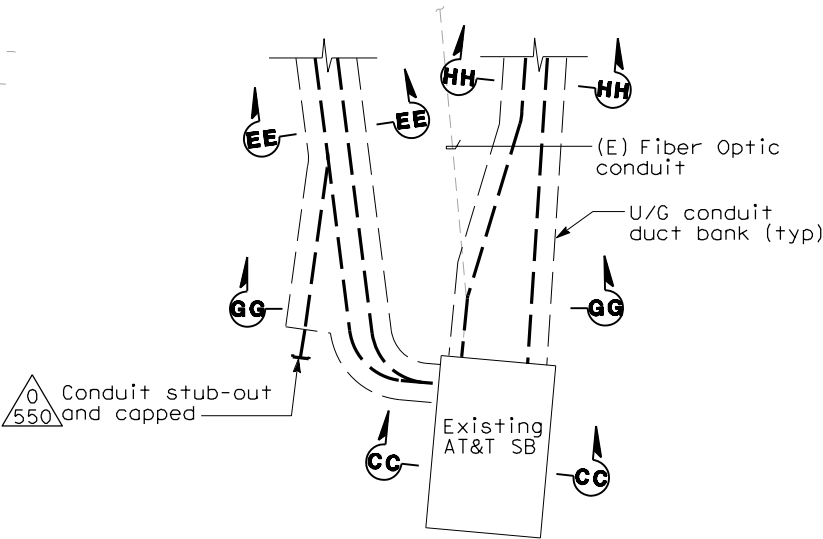
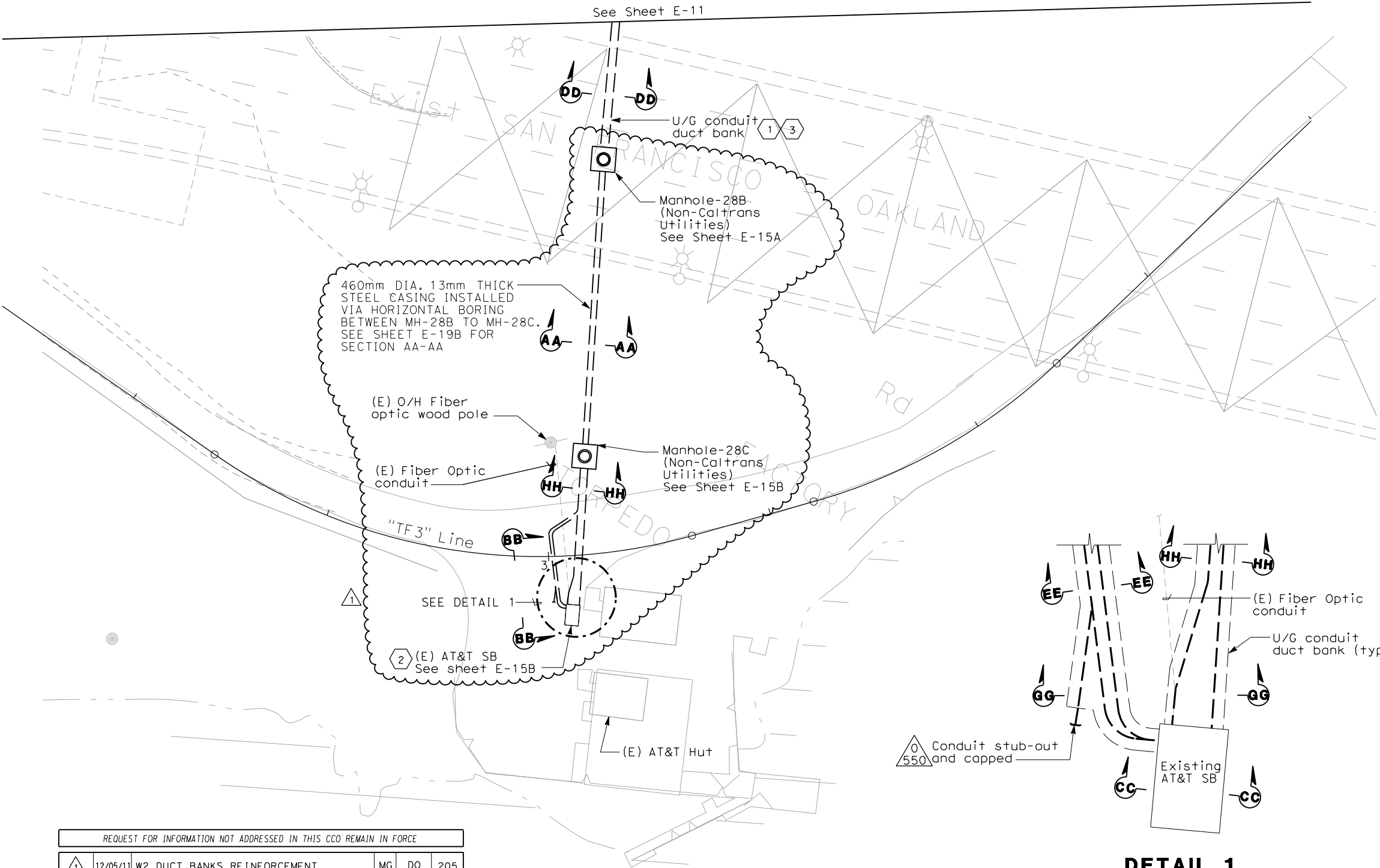
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Caltrans now has a web site! To get to the web site, go to <http://www.dot.ca.gov>

- NOTES:
- References:
 - For typical manhole and duct bank details, see sheet E-17.
 - For duct bank profile and coordinate, see civil sheet U-4.
 - For circuit and conduit/cable tray schedules, see sheets starting at E-401.
 - Minimum compressive strength of concrete f'c = 28 MPa.
 - For location of manholes, see utility sheets.
 - For other related work not shown on this see Electrical Special Provisions.
 - Provide long sweep for conduits inside duct banks whenever feasible.
 - For duct bank sections, see sheets E-19B.

SHEET NOTES

- Contractor shall route duct bank with a minimum cover of 610 mm from top of conduit to top of finished grade. The conduit bank shall slope down to manhole. Verify existing to avoid interferences. Connect the ground conductor to the existing grounding grid at the end of duct bank.
- Contractor to clean and drain (E) AT&T SB. Contractor shall use existing provisions for conduit entries to AT&T SB. Other conduit penetrations are not shown
- The conduits from manhole MH-28A to AT&T Hut manhole shall be rigid pvc schedule 40. Conduit 90 degree bends, riser and exposed to grade shall be rigid galvanized steel conduit.



REQUEST FOR INFORMATION NOT ADDRESSED IN THIS CCO REMAIN IN FORCE					
1	12/05/11	W2 DUCT BANKS REINFORCEMENT	MG	DO	205
0	08/08/11	W2 DUCT BANKS REINFORCEMENT	EJL TW	RG	205
MARK	DATE	DESCRIPTIONS	BY	CH'D	CCO#
REVISIONS					

CONTRACT CHANGE ORDER NO. _____
SHEET _____ OF _____

PLAN
SCALE: 1:200

DETAIL 1
NTS

UNDERGROUND
DUCT BANKS AND MANHOLES
SCALE: 1:200